

Title (en)
Rotary lobe pump

Title (de)
Pumpe mit rotierenden Nocken

Title (fr)
Pompe à lobes rotative

Publication
EP 1892417 A3 20090603 (EN)

Application
EP 07112559 A 20070716

Priority
GB 0616034 A 20060811

Abstract (en)
[origin: EP1892417A2] A rotary lobe pump comprises a pump body having a driving means and an outer casing, and an insert that can be replaced. The insert comprises: a housing formed of a plastics material and having an inlet port, an outlet port and internal surfaces defining a pumping chamber; and a pair of lobed rotors arranged for rotation within the pumping chamber. The housing includes apertures through which the lobed rotors may be rotationally driven, so that the lobed rotors mesh together for pumping a fluid from the inlet port to the outlet port.

IPC 8 full level
F04C 2/12 (2006.01)

CPC (source: EP GB US)
F04C 2/126 (2013.01 - EP GB US); **F04C 2240/10** (2013.01 - EP US); **F04C 2240/30** (2013.01 - GB); **F04C 2240/80** (2013.01 - GB); **F05C 2225/00** (2013.01 - EP US)

Citation (search report)

- [X] EP 0391182 A2 19901010 - LEYBOLD AG [DE]
- [A] US 5567140 A 19961022 - DODD IAN [CA]
- [A] EP 0859152 A2 19980819 - APV UK [GB]

Cited by
WO2014161700A1; EP3378325A1; IT201700031729A1; US10570897B2; US10060431B2; WO2013149750A1; WO2014000921A1; DE102013215449A1; WO2015018614A1; WO2015052004A1; DE102013205843A1; DE102013220242A1; US9732750B2; US10823168B2; DE102013205843B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1892417 A2 20080227; **EP 1892417 A3 20090603**; **EP 1892417 B1 20100707**; AT E473371 T1 20100715; CN 101122288 A 20080213; CN 101122288 B 20120111; DE 602007007550 D1 20100819; GB 0616034 D0 20060920; GB 2440944 A 20080220; GB 2440944 B 20111012; US 2008038138 A1 20080214; US 7857607 B2 20101228

DOCDB simple family (application)
EP 07112559 A 20070716; AT 07112559 T 20070716; CN 200710141199 A 20070813; DE 602007007550 T 20070716; GB 0616034 A 20060811; US 88892707 A 20070803